## COUNTING ROOM TECHNICIAN
## JOB PERFORMANCE MEASURE

**TASK CODE**:     CRT-C07

**TASK**:          Update Radionuclide Library

**NAME**: _____     **SSN**: _____

**REFERENCES**:
1.     WP 12-RL1330, Gamma Spectral System Operation

**TERMINAL OBJECTIVE**:
Given a new radionuclide that must be added to the WIPP Counting Room library, update the library per WP 12-RL1330.

**CONSEQUENCES OF INADEQUATE PERFORMANCE**:
Improper radionuclide identification

**HAZARDS (PERSONNEL/EQUIPMENT STATUS)**:
None

**PRE-REQUISITE TRAINING/ TASK COMPLETION**:
1.     CF 3.00 Series

**TOOLS/EQUIPMENT (MATERIALS REQUIRED)**:
1.     Canberra Gamma Spectroscopy  Germainium Detector Counting System
2.     Source Certificate
3.     System Logbook

**Instructions to Trainee**: You shall acquire the necessary references and equipment, and complete all required documentation. Knowledge requirements shall be completed with 80% or greater accuracy. Critical step performance shall be completed with 100% accuracy.

**Instructions to JPM Evaluator**: The trainee is to perform the terminal objective, without assistance, on the job site. Provide clarification of requirements if requested by the trainee. You are encouraged to ask relevant questions to verify trainee understanding. If the trainee fails this JPM, clearly document the reason for failure and forward to the trainee's manager. Successful completion of this JPM shall be recorded on the trainee's qualification card.

**KNOWLEDGE REQUIREMENTS**:

| Reference | Knowledge Requirement | Pass/Fail |
|---|---|---|
| 1 | State what constitutes a new radionuclide. | |
| 1 | State when the Counting Room library would need to be updated. | |
| 1 | List the information required to be entered into the library. | |

**PERFORMANCE REQUIREMENTS**:

| Reference | Performance Requirement | Pass/Fail |
|---|---|---|
| 1 | Identify the appropriate information from a source certificate that is inputed into the library.# | |
| 1 | Operate the VAX and update the Counting Room library.# | |
| 1 | Print and review the Counting Room library.# | |
| 1 | Document the changes to the library in the system logbook.# | |

# indicates a critical step

**FINAL EVALUATION**:                PASS                FAIL

**COMMENTS**:

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**EVALUATOR SIGNATURE**:            _____        **DATE**:_____

**TRAINEE SIGNATURE**:            _____        **DATE**:_____

**MANAGER SIGNATURE**:            _____        **DATE**:_____